

11. (Amended) A cylinder lock, especially for motor vehicles, for operating an output member, comprising a housing bounding an inner cylindrical cavity; a cylindrical core with a key channel and a plurality of transverse tumbler passages received in said cylindrical cavity for turning and axial displacement between respective engagement and disengagement positions thereof; means for coupling said cylindrical core with the output member when said cylindrical core is being turned in said engagement position thereof by the appropriate key and for uncoupling said cylindrical core from the output member when said cylinder core is turned by means of an inappropriate key or forcibly by a foreign body; means including respective ribs for bounding a plurality of through-turnable annular grooves that open into said cylindrical inner cavity of said housing; and means for interrupting at least one of said ribs that delimits the respective one of said adjacent through-turnable groove at that axial side thereof that lies opposite to the direction of axial displacement of said cylindrical core toward said disengagement position thereof from the output member to form at least one blocking groove, said interrupting means including blocking groove lateral surfaces that diverge in said direction of axial displacement of said cylindrical core toward said disengagement position thereof; and a plurality of spring-loaded tumblers movably received in said tumbler passages and including respective blocking projections at least one of which protrudes into said blocking groove of said housing when no appropriate key is fully inserted into said key channel and does not protrude into said blocking groove when the appropriate key is fully inserted.
12. The cylinder lock according to claim 11, wherein said housing is composed of two housing halves that are rigidly connected with one another.
13. The cylinder lock according to claim 11, and further comprising means for defining at least one support ring groove opening into said inner cylindrical cavity of said housing; and wherein said cylindrical core includes an outer collar received in said support ring groove with an axial leeway that at least corresponds to a distance of the axial displacement that is necessary for the disengagement of said coupling means.